

April 14, 2010 11:37:05 AM

Page 1

Accept

**Setup Start**

Stop

**Cust Item ID:**

Customer:

Reference:

Date: 10-11-14

Tooling:

Date: -

Run Start

QC:

Date:

SPC (Y/N):

Date: _____

Stop

**Insp.
Stamp**

Revision Nbr

Rev B

100

0.00

[illegible]

FLOW WATER JET

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D3594 ☐ Dwg Rev: B ☐ Prog Rev: B ☐ 2-
Deburr if necessary

6061 . 080

110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

120

QC8- Inspect parts - second check

0.00

[illegible]

QC

Memo

0.00

Quality Control

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)					
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 57746

April 14, 2010 11:37:05 AM



Page 2

Item ID: D3594-044

Accept



Setup Start



Revision ID:

Stop



Item Name: Floor Doubler Assembly, RH

Start Date: 14/04/2010 Start Qty: 10.00



Cust Item ID:

Required Date: 22/04/2010 Req'd Qty: 10.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 Small Fab	Small Fab	0.00							
Small Fab	Memo	0.00							
Small Fab	C'SINK AS PER DWG D3594								
140 QC	QC5- Inspect part completeness to step on W/O	0.00							
Quality Control	Memo	0.00							
150 HandFinish	Chemical Conversion Coat per QSI005 4.1	0.00							
Hand Finishing	Memo	0.00							

9/5/10/05/10 (15)

(15)

(4)

15 BR 10-5-11

W/O:			WORK ORDER CHANGES					
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NOTE: Date & initial all entries

Work Order ID 57746

April 14, 2010 11:37:05 AM

Page 4

Item ID: D3594-044

Accept

Setup Start

Revision ID:

Stop

Item Name: Floor Doubler Assembly, RH

Start Date: 14/04/2010 Start Qty: 10.00

Cust Item ID:

Required Date: 22/04/2010 Req'd Qty: 10.00

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

190

Identify as per dwg & Stock Location **234B**

0.00



Packaging

Memo

0.00

Packaging

10-5-12

200

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/05/17

BS/10-5-13

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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				Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April 14, 2010 11:37:09 AM

Page 1

Work Order ID: 57746

Parent Item: D3594-044

Parent Item Name: Floor Doubler Assembly, RH

Comments: IPP Rev :A New Issue 07-01-22 EC

Start Date: 14/04/2010

Required Date: 22/04/2010

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS20426AD4-4		Purchased	No			100	Each	1,872.000	20.0000			
--------------	--	-----------	----	--	--	-----	------	-----------	---------	--	--	--



Rivet

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST316

1872

15541

1872

M6061T6S.080

Purchased

No

170

sf

290.7512

5.3684



6061-T6 .080 Sheet

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

MAT21

290.7512

113438

2.7512

114351

288

MS21069-5

Purchased

No

170

Each

65.0000

10.0000



Anchor nuts

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST302

65

113725

50

114075

15



4/30/05/11

30
8.1

B10-S-6

15

114351

4/30/05/11

15

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	57746
Description: Floor Doubler, RH		Part Number:	D3594-4
Inspection Dwg: D3594 Rev: B		Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
12.25	+/-0.030	12.25	✓			
7.85	+/-0.030	7.853	✓			
7.313	+/-0.010	7.313	✓			
2.688	+/-0.010	2.686	✓			
Ø0.323	+0.006/-0.001	.323	✓			
Ø0.128	+0.005/-0.001	.130	✓			
0.359	+/-0.010	.356	✓			
0.718	+/-0.010	.716	✓			
0.81	+/-0.030	.807	✓			
2.32	+/-0.030	2.32	✓			
0.080	+/-0.010	.081	✓			

Measured by: IB	Audited by: S	Prototype Approval:	N/A
Date: 10-5-06	Date: 10/05/06	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	07.07.18	New Issue P/O D3594-044	KJ/JLM	
B	09.05.07	Dimensions updated per Dwg Rev B	KJ/EC	

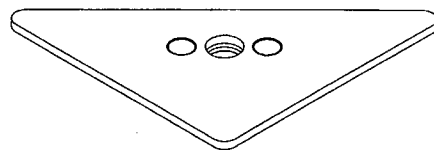
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

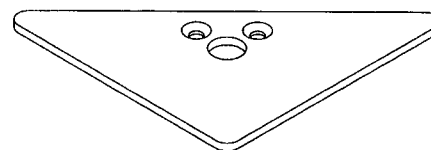
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

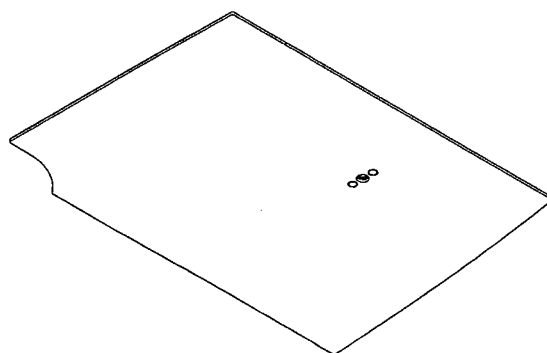
NOTE: Date & initial all entries



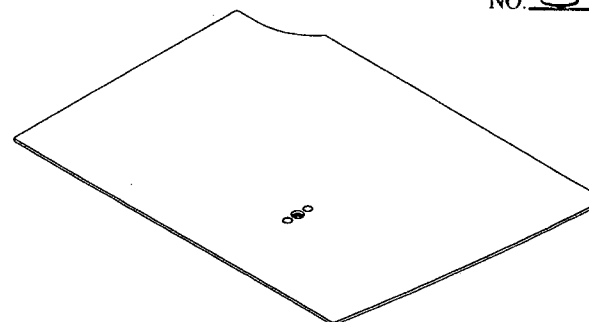
D3594-041 DOOR DOUBLER ASSEMBLY



D3594-5 DOOR DOUBLER



D3594-043 FLOOR DOUBLER ASSEMBLY



D3594-044 FLOOR DOUBLER ASSEMBLY

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 57746

APV-4-14

RELEASED
080226

B	REFORMAT TO B SIZE DRAWING. SHEET 2 ADD -5.	AJS	08.05.14
A	NEW ISSUE	MB	07.04.13
REV.	DESCRIPTION	BY	DATE
DESIGN	MB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3594 TITLE DOUBLER REV. B SHEET 1 OF 4 SCALE NTS	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DE APPR.	<i>[Signature]</i>	DATE 08.05.14 <small>COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE LOANED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

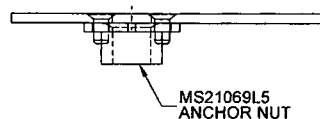
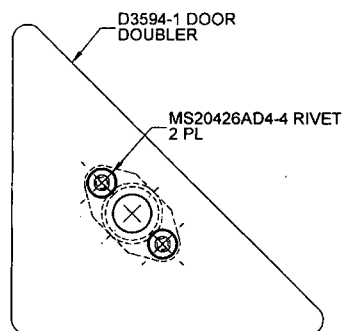
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

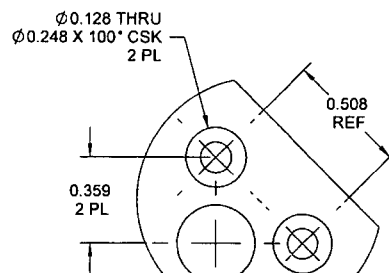
NCR:			WORK ORDER NON-CONFORMANCE (NCR)					
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

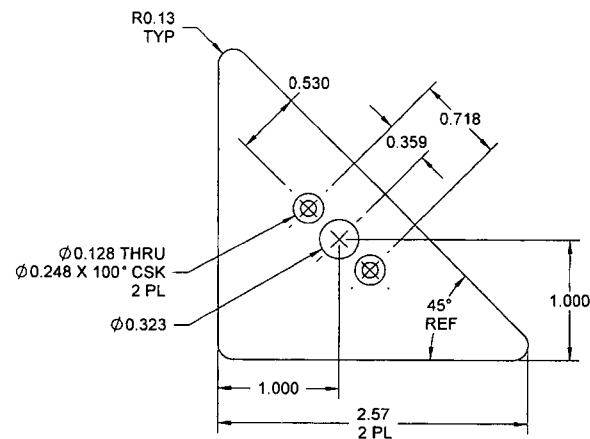
QTY. -041	PART NUMBER	DESCRIPTION
X	D3594-041	DOOR DOUBLER ASSEMBLY
1	D3594-1	DOOR DOUBLER
1	MS21069L5	ANCHOR NUT
2	MS20426AD4-4	RIVET, CSK



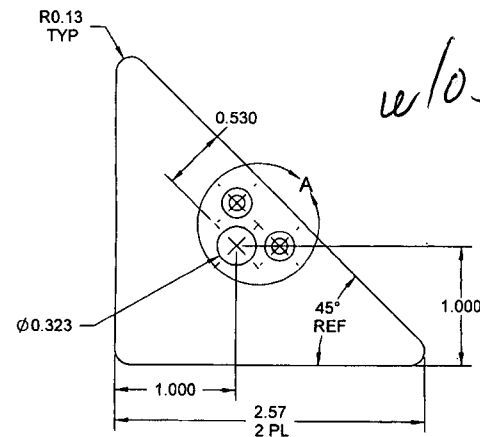
4 D3594-041 DOOR DOUBLER ASSEMBLY



DETAIL A
SCALE 2X







D3594-1 DOOR DOUBLER



5 D3594-5 DOOR DOUBLER

NOTES:

- 1) MATERIAL: -1 & -5
6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.080 THICK,
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.080)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) IDENTIFY WITH DART P/N "D3594-041" USING FINE POINT PERMANENT INK MARKER
- 5) IDENTIFY WITH DART P/N "D3594-5" USING FINE POINT PERMANENT INK MARKER
- 6) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX
- 7) WEIGHT -041: 0.04 lbs
-5: 0.03 lbs

DESIGN	MB	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3594	SHEET 2 OF 4
APPROVED		TITLE	SCALE
DE APPR.		DOUBLER	NTS
DATE	08.05.14	COPYRIGHT © 2007 BY DART AEROSPACE LTD	
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RELEASED
08-06-26-14

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

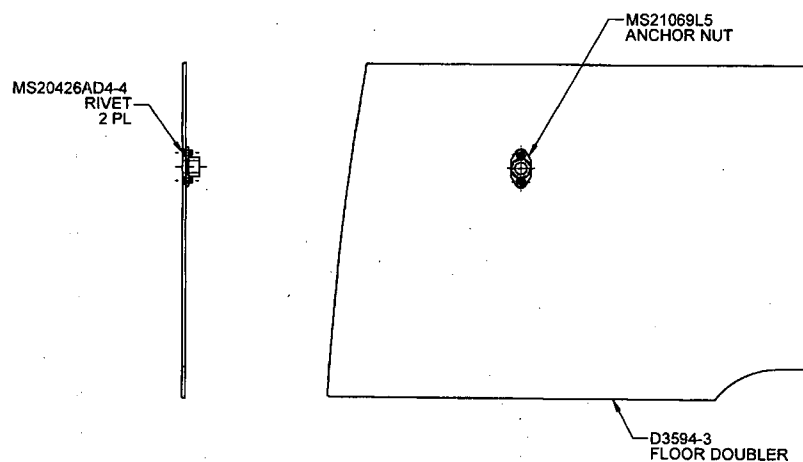
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

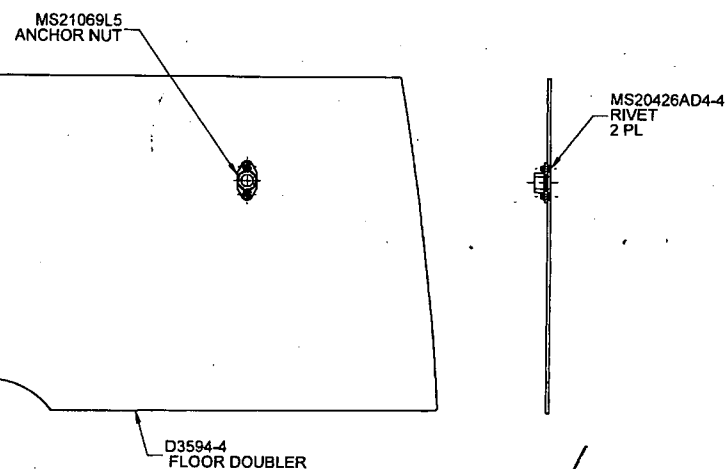
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

QTY. -043	QTY. -044	PART NUMBER	DESCRIPTION
X		D3594-043	FLOOR DOUBLER ASSEMBLY, LH
	X	D3594-044	FLOOR DOUBLER ASSEMBLY, RH
1		D3594-3	FLOOR DOUBLER, LH
	1	D3594-4	FLOOR DOUBLER, RH
1	1	MS21069L5	ANCHOR NUT
2	2	MS20426AD4-4	RIVET, CSK



D3594-043 FLOOR DOUBLER ASSEMBLY



D3594-044 FLOOR DOUBLER ASSEMBLY

NOTES:

- 1) MATERIAL: -3 & -4
6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.080 THICK,
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027.
(REF. DART SPEC. M6061T6S.080)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) IDENTIFY WITH DART P/N "D3594-043/-044" USING FINE POINT PERMANENT INK MARKER
- 5) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX
- 7) WEIGHT -043 & -044: 0.80 lbs

DESIGN	MB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3594	SHEET 3 OF 4
APPROVED		TITLE	SCALE
DE APPR.		DOUBLER	NTS
DATE	08.05.14	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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08-06-25-14

W/O 57746

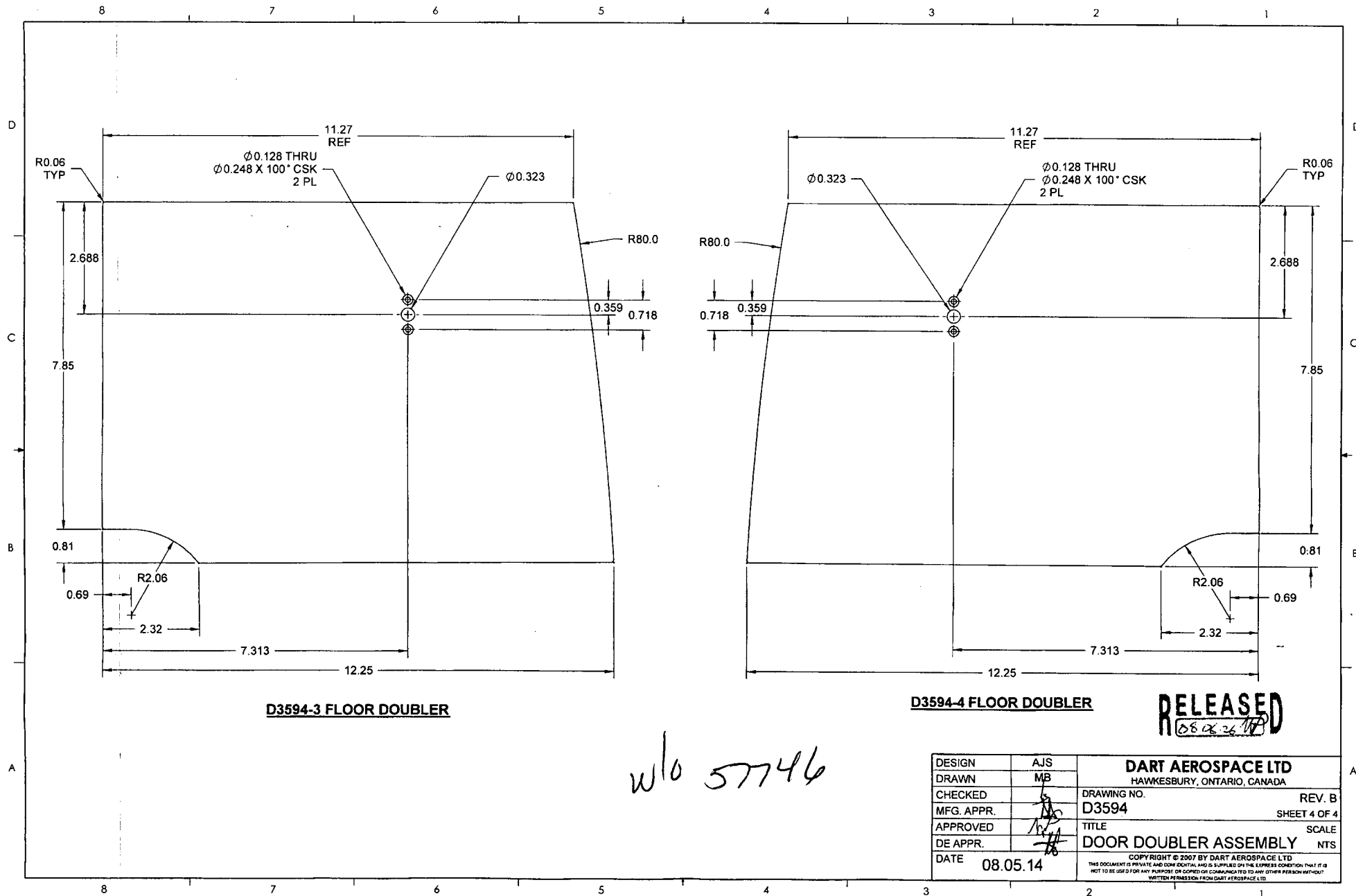
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